

**Work Order ID 61373**

Monday, August 23, 2010 7:21:41 AM



TODAY  
TOMORROW  
Page 1

Item ID: D412-702-343

Accept



Setup Start



Revision ID:

Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Stop



Start Date: 8/23/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 8/24/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: MF

Date: 10-8-23

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI9511	A

100  
  
 DOCUMENT CONTROLDC  
 Document Control  
  
 Memo 0.00

Photocopy bluefile &amp; type labels per PPP D412-702-343 CHG001

MF for MF 10/08/23

105  
  
 Pick Kit 0.00Packaging  
 Packaging  
  
 Memo 0.00

10/8/23 10

110  
  
 QC4- 100% Inspect kits for completeness 0.00QC  
 Quality Control  
  
 Memo 0.00

S 10/08/23

TH

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 61373**

Monday, August 23, 2010 7:21:41 AM



Page 2

Item ID: D412-702-343

Accept



Setup Start



Revision ID:

Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Stop



Start Date: 8/23/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 8/24/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120



Packaging

0.00

10/01/23

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-702-343  
Location: 50  
PPP Rev: A

130



QC21- Final Inspection - Work Order Release

0.00

10/08/23

Quality Control

Memo

0.00

MF  
10-8-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Monday, August 23, 2010 7:21:40 AM

Page 1

Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-702-301 Harness Assembly		Manufactured	No			105	Each	2.0000	1	1		10/18/2010	

Location	Loc Qty	Loc Code
ST269	2	
58452	1	
59923	1	

D412-702-303 Harness Assembly	Manufactured	No			105	Each	2.0000	1	1		10/18/2010	
----------------------------------	--------------	----	--	--	-----	------	--------	---	---	--	------------	--

Location	Loc Qty	Loc Code
ST269	2	
58454	1	
59522	1	

D412-702-305 Harness Assembly	Manufactured	No			105	Each	1.0000	1	1		10/18/2010	
----------------------------------	--------------	----	--	--	-----	------	--------	---	---	--	------------	--

Location	Loc Qty	Loc Code
ST269	1	
59645	1	

D412-702-307 Harness Assembly	Manufactured	No			105	Each	1.0000	1	1		10/18/2010	
----------------------------------	--------------	----	--	--	-----	------	--------	---	---	--	------------	--

Location	Loc Qty	Loc Code
ST269	1	
59646	1	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Page 2

Monday, August 23, 2010 7:21:40 AM

Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

Start Qty: 1.00

Required Qty: 1.00

D412-702-309

Manufactured No

105

Each

1.0000

1

1

Harness Assembly

Location	Loc Qty	Loc Code
----------	---------	----------

ST269

1

59642

1

105

Each

7.0000

1

1

D412-702-059 C/L/LOOP

Manufactured No

59642

Location	Loc Qty	Loc Code
----------	---------	----------

FG122

7

55670

7

105

Each

10.0000

5

5

D3761-1-041

Manufactured No

55670

Location	Loc Qty	Loc Code
----------	---------	----------

ST245

10

55429

9

57662

1

105

Each

20.0000

2

2

D3542-1

Manufactured No

57662

Location	Loc Qty	Loc Code
----------	---------	----------

ST245

20

32606

2

47140

1

51309

5

59051

12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Monday, August 23, 2010 7:21:40 AM

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Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

Start Qty: 1.00

Required Qty: 1.00

D3571-1



Guide

Manufactured No

105

Each

24.0000

3



10/18/235f

Location

Loc Qty

Loc Code

ST245A

24

3

58450  
59726

17

7

D3571-3



Guide

Manufactured No

105

Each

13.0000

2



10/18/235f

Location

Loc Qty

Loc Code

ST245A "

13

4

47142  
57227  
57363

1

2

10

D3578-041



Doubler

Manufactured No

105

Each

54.0000

6



10/18/235f

Location

Loc Qty

Loc Code

ST244A

54

6

52071

54

D3610-041



Bracket

Manufactured No

105

Each

10.0000

2



10/18/235f

Location

Loc Qty

Loc Code

ST244A

10

2

47144

10

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Monday, August 23, 2010 7:21:40 AM

Page 4

Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

Start Qty: 1.00

Required Qty: 1.00

D3618-1

Manufactured

No

105

Each

79.0000



2

2

10/18/2380

CAP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST244A

79

55669

79

AN4-10A

Purchased

No

105

Each

112.0000



4

4

10/18/2380

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST356

112

113422

12

114523

100

AN4-44A

Purchased

No

105

Each

89.0000



2

2

10/18/2380

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST360

89

104806

89

MS24693-S274

Purchased

No

105

Each

65.0000



2

2

10/18/2380

Screw

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST288

65

108560

15

114718

50

2

2

10/18/2380

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Monday, August 23, 2010 7:21:40 AM

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Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

Start Qty: 1.00

Required Qty: 1.00

MS24694-S56



SCREW

Purchased

No

105

Each

122.0000

3

3

10/8/23 SJ

MS24694-S58



Screw

Purchased

No

Location

ST289A

Loc Qty

122

Loc Code

2

3

10/8/23 SJ

MS24694-S60



Screw

Purchased

No

Location

ST289A

Loc Qty

130

Loc Code

1

2

10/8/23 SJ

AN960JD416

NAS1149D0463J

Purchased

No

Location

ST289A

Loc Qty

120

Loc Code

6

7

10/8/23 SJ

Washer

AN960JD416L

NAS1149D0416J

Purchased

No

105

Each

321.0000

4

4

10/8/23 SJ

Washer

Location

ST346

Loc Qty

321

Loc Code

9

9

10/8/23 SJ

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Monday, August 23, 2010 7:21:40 AM

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Work Order ID: 61373



Parent Item: D412-702-343



Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 8/23/2010

Required Date: 8/24/2010

MS21042L4



Nut

Purchased

No

105

Each

2,716.000

6

6



10/123 SF

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST300	2716	
113422	68	
114523	28	
114718	16	
114784	684	6
115108	1920	

CR3212-4-4



Cherry Rivet

Purchased

No

105

Each

140.0000

12

12



10/123 SF

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST311	140	
111359	40	12
114716	100	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC SH04-7

REF FAA STC SR01997NY

REF EASA STC EASA.I.M.R.S.00710

REFERENCE

This service instruction adds several kits equipped with improved inertia reels:

The Dart D412-702-341 13-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for all 13 passenger seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-041B kit, as detailed in Table 1 of this service instruction.

The Dart D412-702-343 5-Man Forward Facing Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 5 forward facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-043B kit, as detailed in Table 1 of this service instruction.

The Dart D412-702-345 4-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 4 aft facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-045B kit, as detailed in Table 1 of this service instruction.

The Dart D412-702-347 4-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 4 side facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-047B kit, as detailed in Table 1 of this service instruction.

The Dart D412-702-349 1-Man Shoulder Harness Kit provides a 3-point harness with an inertia reel and joined lap and shoulder belts for the center forward facing seating position in the aircraft cabin. The kit also contains hardpoints for securing the harness. The harness for this kit meets the requirements of TSO-C114 and replaces the existing lap belts. This kit should be installed similar to the D412-702-049B kit, as detailed in Table 1 of this service instruction.

The Dart D412-702-351 1-man 3-point shoulder harness kits are available for the outboard seats of the 5-man forward facing bench in Bell 205/212/214/412 model aircraft. The kit can be installed LH or RH. These kits should be installed similar to the D412-702-051B/-052B kits, as detailed in Table 1 of this service instruction.

The Dart D214-702-337 5-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder belts for the 5-man aft facing seat installed in the Bell 214B/B1 model aircraft. This kit should be installed similar to the D214-702-037B kit, as detailed in Table 1 of this service instruction.

The Dart D205-702-353 4-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder harnesses for the 4-man aft facing seat installed in the UH-1 model aircraft. This kit should be installed similar to the D205-702-053B kit, as detailed in Table 1 of this service instruction.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

A	NEW ISSUE	CP	10.03.18
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	99		
CHECKED	8		
MFG. APPR.	N/A		
APPROVED	10	DRAWING NO.	REV. A
DE APPR.	11	DSI 9511	SHEET 1 OF 6
DATE	10.03.18	TITLE	SCALE
		NEW SHOULDER HARNESS KITS	NTS
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**INSTALLATION**

The Dart D412-702-3XX kits should be installed similar to the kits in Installation Instructions IIN-D412-702 Rev. E or Dart Service Instruction (DSI) listed below:

REF ID: A1000000000000000000000000000000

**TABLE 1**

<b>Part Number</b>	<b>Description</b>	<b>Install similar to:</b>
D412-702-341	Shoulder Harness Kit	D412-702-041B (IIN-D412-702, DSI 9408)
D412-702-343	Shoulder Harness Kit	D412-702-043B (IIN-D412-702, DSI 9453 [214], DSI 9408)
D412-702-345	Shoulder Harness Kit	D412-702-045B (IIN-D412-702, DSI 9469)
D412-702-347	Shoulder Harness Kit	D412-702-047B (IIN-D412-702, DSI 9408)
D412-702-349	Shoulder Harness Kit	D412-702-049B (IIN-D412-702, DSI 9408)
D412-702-351	Shoulder Harness Kit	D412-702-051B (LH) (DSI 9397, DSI 9408) D412-702-052B (RH) (DSI 9397, DSI 9408)
D214-702-337	Shoulder Harness Kit	D214-702-037B (DSI 9454)
D205-702-353	Shoulder Harness Kit	D205-702-053B (DSI 9460)
D412-702-301	Harness Assembly	D412-702-101B (IIN-D412-702)
D412-702-303	Harness Assembly	D412-702-103B (IIN-D412-702)
D412-702-305	Harness Assembly	D412-702-105B (IIN-D412-702)
D412-702-307	Harness Assembly	D412-702-107B (IIN-D412-702)
D412-702-309	Harness Assembly	D412-702-109B (IIN-D412-702)
D412-702-311	Harness Assembly	D412-702-111B (IIN-D412-702)
D412-702-313	Harness Assembly	D412-702-113B (IIN-D412-702)
D412-702-315	Harness Assembly	D412-702-115B (IIN-D412-702)
D412-702-317	Harness Assembly	D412-702-117B (IIN-D412-702)
D412-702-319	Harness Assembly	D412-702-119B (DSI 9454)
D412-702-321	Harness Assembly	D412-702-121B (DSI 9454, DSI 9469)
D412-702-323	Harness Assembly	D412-702-123B (DSI 9454, DSI 9469)

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	<i>90</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	<i>99</i>	
CHECKED	<i>b</i>	DRAWING NO. DSI 9511
MFG. APPR.	N/A	
APPROVED	<i>100</i>	REV. A SHEET 2 OF 6
DE APPR.	<i>100</i>	
DATE	10.03.18	SCALE NTS
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**REFERENCE ONLY**

**PARTS LIST**

**TABLE 2**

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
X						D412-702-341	Dart 13-Man 3-Point Shoulder Harness Kit
	X					D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X				D412-702-345	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X			D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X		D412-702-349	Dart 1-Man 3-Point Forward Shoulder Harness Kit
					X	D412-702-351	Dart 1-Man 3-Point Shoulder Harness Kit
1	/ 1		1	1		D412-702-059	GROMMET KIT
9	/ 5		4	1	1	D3761-1-041	HOOK AND LOOP STRIP (DSI 9408)
2	1		1			D412-702-301	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-7	ADAPTER
1*	1*		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S272	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
2	/ 1		1			D412-702-303	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-8	ADAPTER
1*	1*		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S272	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
1	1		1			D412-702-305	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-1	ADAPTER
1*	1*		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S273	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
1	1		1			D412-702-307	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-3	ADAPTER
1*	1*		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S272	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
1	1					D412-702-309	HARNESS ASSEMBLY (NEW)
1*	1*					D3573-3	ADAPTER
1*	1*					D4088-041	SHOULDER HARNESS (NEW)
4*	4*					MS24693S272	SCREW
4*	4*					AN960JD10LL	WASHER
4*	4*					MS21042L3	NUT

\* denotes that part is included in assembly above

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CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	99	<b>DART AEROSPACE LTD</b>	
DRAWN	99		
CHECKED	99	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9511	SHEET 3 OF 6
APPROVED	99	TITLE	NTS
DE APPR.	99	NEW SHOULDER HARNESS KITS	
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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**REFERENCE ONLY**

...continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
1	1					D412-702-311	HARNESS ASSEMBLY (NEW)
1*	1*					D3570-1	BRACKET
1*	1*					D4088-043	SHOULDER HARNESS (NEW)
4*	4*					MS24694S50	SCREW
4*	4*					AN960JD10L	WASHER
4*	4*					MS21042L3	NUT
1	1					D412-702-313	HARNESS ASSEMBLY (NEW)
1*	1*					D3570-2	BRACKET
1*	1*					D4088-043	SHOULDER HARNESS (NEW)
4*	4*					MS24694S50	SCREW
4*	4*					AN960JD10L	WASHER
4*	4*					MS21042L3	NUT
1	1					D412-702-315	HARNESS ASSEMBLY (NEW)
1*	1*					D3573-5	ADAPTER
1*	1*					D4088-041	SHOULDER HARNESS (NEW)
4*	4*					MS24693S272	SCREW
4*	4*					AN960JD10LL	WASHER
4*	4*					MS21042L3	NUT
1	1					D412-702-317	HARNESS ASSEMBLY (NEW)
1*	1*					D3573-5	ADAPTER
1*	1*					D4088-041	SHOULDER HARNESS (NEW)
4*	4*					MS24693S272	SCREW
4*	4*					AN960JD10LL	WASHER
4*	4*					MS21042L3	NUT
1	1					D412-702-321	HARNESS ASSEMBLY (NEW)
1*	1*					D3570-3	BRACKET
1*	1*					D4088-043	SHOULDER HARNESS (NEW)
4*	4*					MS24694S50	BOLT
4*	4*					AN960JD10L	WASHER
4*	4*					MS21042L3	NUT
1	1					D412-702-323	HARNESS ASSEMBLY (NEW)
1*	1*					D3570-4	BRACKET
1*	1*					D4088-043	SHOULDER HARNESS (NEW)
4*	4*					MS24694S50	BOLT
4*	4*					AN960JD10L	WASHER
4*	4*					MS21042L3	NUT

\* denotes that part is included in assembly above

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CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	<i>99</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	<i>99</i>	
CHECKED	<i>b</i>	DRAWING NO. DSI 9511
MFG. APPR.	N/A	
APPROVED	<i>AD</i>	REV. A SHEET 4 OF 6
DE APPR.	<i>MM</i>	
DATE	10.03.18	SCALE NTS
TITLE NEW SHOULDER HARNESS KITS		
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## REFERENCE

...continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
2	2					D3542-1 ✓	BRACKET
7	3		4	1		D3571-1 ✓	GUIDE
2	2					D3571-3	GUIDE
2		2				D3572-041	GUIDE ASSEMBLY
12	✓ 6		6	2		D3578-041	DOUBLER
2	✓ 2					D3610-041	BRACKET
2	2					D3618-1	CAP
4	4					AN4-10A	BOLT
2		2				AN4-16A	BOLT
4		4				AN4-25A	BOLT
4		4				AN4-27A	BOLT (DSI 9469)
2	✓ 2					AN4-44A	BOLT
2	✓ 2					MS24693S274	SCREW
3	✓ 3			1		MS24694S56 ✓	SCREW
10	✓ 2		8			MS24694S58	SCREW
1	✓ 1			1		MS24694S60	SCREW
26	✓ 6	20				AN960JD416	WASHER
4	✓ 4					AN960JD416L	WASHER
12	6	6				MS21042L4	NUT
24	12		12	4		CR3212-4-4	RIVET

CANADA	
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AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	<i>99</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>99</i>		
CHECKED	<i>✓</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9511	SHEET 5 OF 6
APPROVED	<i>✓</i>	TITLE	SCALE
DE APPR.	<i>✓</i>	NEW SHOULDER HARNESS KITS NTS	
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

**REFERENCE**

**TABLE 3**

<b>QTY -337</b>	<b>QTY -353</b>	<b>Part Number</b>	<b>Description</b>
X		D214-702-337	Dart 5-Man 3 Point Aft Facing Shoulder Harness Kit, for 214 Aircraft
	X	D205-702-353	Dart 4-Man 3 Point Aft Facing Shoulder Harness Kit, for UH-1 Aircraft
1	2	D412-702-311	HARNESS ASSEMBLY (NEW) -> SEE TABLE 2
1	2	D412-702-313	HARNESS ASSEMBLY (NEW) -> SEE TABLE 2
1		D412-702-321	HARNESS ASSEMBLY (NEW) -> SEE TABLE 2
1		D412-702-323	HARNESS ASSEMBLY (NEW) -> SEE TABLE 2
1		D412-702-319	HARNESS ASSEMBLY (NEW)
1*		D3925-041	BRACKET
1*		D4088-043	SHOULDER HARNESS ASSEMBLY (NEW)
4*		MS24694S58	BOLT
4*		AN960JD10L	WASHER
4*		MS21042L3	NUT
	1	D3572-043	GUIDE ASSY
	1	D3572-044	GUIDE ASSY
1		D3920-041	SEATBELT GUIDE ASSEMBLY
2		D3920-5	SEATBELT GUIDE
1	6	AN4-16A	BOLT
1		AN4-21A	BOLT
7		AN4-25A	BOLT
18	12	AN960JD416	WASHER
9	6	MS21042L4	NUT

\* denotes that part is included in assembly above

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
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D. SHEPHERD (DE # 02)	
DATE:	10.03.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	<i>90</i>	DRAWING NO.	DART AEROSPACE LTD	
DRAWN	<i>99</i>		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>b</i>	REV. A		
MFG. APPR.	N/A		DSI 9511	
APPROVED	<i>mg</i>	TITLE	SCALE	
DE APPR.	<i>mg</i>		NEW SHOULDER HARNESS KITS	
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